



Tested For:	Supplied by: Vyva Fabrics	Phone:	Received: 3/7/2022
	TT. Vasumweg 140	Fax:	Completed: 3/11/2022
	1033 SH, Amsterdam	Mobile:	Code: Z1
	The Netherlands	PO#: 122503	Test Report: 3-47151-1

Key Test: BS EN 1021-2: 2014

480

Client's Identification:

Style: Econic. Composition: PVC / Recycled Polyester. Weight: 31 oz/54". Thickness: 42 mil. Product End Use: Upholstery.

LE 2014; V 7/21 DK PC: 24H /rb /dv

TEST PERFORMED: British Standard BS EN 1021-2: 2014; Furniture - Assessment of the Ignitability of Upholstered Furniture, Part 2

IGNITION SOURCE: Match flame equivalent (15 seconds butane flame)

TEST ITEM COMPOSITE:

Client's Cover Fabric: (see "Client's Identification" section above)

Suggested Filling Material:

- Non-flame-retardant flexible polyether foam 20-24 kg/m³
- Flame retardant polyurethane foam, 45 kg/m² (2.8 lb/ft²), Code Red II 35
- Non-flame-retardant flexible polyether foam 20-24 kg/m³, wrapped with Sandel Style 12701-14502 fire blocking material (4.7 ± 0.5 oz/yd²)

COVER FABRIC WATER SOAKED PRIOR TO TESTING IN ACCORDANCE WITH ANNEX D: Yes; No

PRECONDITIONING: 24 hours at 23°C ± 2°C (73.4 ± 2°C) and 50% ± 5% RH

BRIEF DESCRIPTION OF TEST: Test cushions are placed in a test frame to form a mockup of an upholstered chair. A tube burner, fueled by butane, is placed in the crevice formed by the seat and back cushion so that the butane flame burns upwardly on the seat back for a period of 15 seconds. Test observations are made, and results are recorded.

The results contained in this report relate only to the item(s) tested. The test report shall not be reproduced except in full, without written approval from SGS North America.

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		DETAILED RESULTS *		
		Initial Test	Repeat Test #1	Repeat Test #2
Cover charred and ignited within	[mm:ss]:	00:06	00:10	00:10
Cover split/melted open after	[mm:ss]:	N/O	N/O	N/O
Filling material ignited after	[mm:ss]:	N/O	N/O	N/O
All flaming ceased after	[mm:ss]:	00:23	00:15	00:26
All smoldering (heat, smoke, or glowing) ceased after	[mm:ss]:	00:56	00:51	00:59
Furthest extent of smoldering --				
Left of ignition source	[mm]:	2	2	2
Right of ignition source	[mm]:	1	2	1
Forward of ignition source	[mm]:	1	1	1
Furthest extent of flaming --				
Left of ignition source	[mm]:	2	2	2
Right of ignition source	[mm]:	1	2	1
Forward of ignition source	[mm]:	1	1	1

(* Timing of values begins with the application of the igniting flame.)

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IGNITION CRITERIA:	SUMMARY RESULTS		
	Initial Test	Repeat Test #1	Repeat Test #2
Smoldering --			
Unsafe escalating combustion (3.1a):	No	No	No
Test assembly consumed (3.1b):	No	No	No
Smolders to extremities (3.1c): [Dimensions: Left 229 mm; Right 229 mm; Forward 229 mm]	No	No	No
Smolders through thickness (3.1c):	No	No	No
Smolders more than 1 hour (3.1d):	No	No	No
Smolders, where upon final examination, evidence of active smoldering was apparent after the test specimen was dismantled and examined internally (3.1e, 9.3):	No	No	No
Flaming --			
Unsafe escalating combustion (3.2a):	No	No	No
Test assembly consumed (3.2b):	No	No	No
Flames to extremities (3.2c): [Dimensions: Left 229 mm; Right 229 mm; Forward 229mm]	No	No	No
Flames through thickness (3.2c):	No	No	No
Flaming more than 120 seconds after removal of burner tubes [includes flaming drip on floor] (3.2d):	No	No	No

"SUMMARY RESULTS" EXPLAINED: If "Yes" is entered for any category, the report must conclude that ignition did occur.

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ABBREVIATIONS WHICH MAY BE USED:

N/O = Not observed.
 NT = Not tested.
 EC = Escalating combustion (unsafe); test extinguished by technician at time noted.

COMMENTS: None.

CONCLUSION: The above Results indicate that:

- Ignition Criteria did not occur (favorable)
 Ignition Criteria did occur (unfavorable)

Note: The subject test measures whether ignition occurs. The codes speak in terms of ignition resistance. Therefore, the conclusion "Ignition Criteria did not occur" is a favorable conclusion; and "Ignition Criteria did occur" is not a favorable conclusion.

PROVISO: The test conducted herein is based on a prototype composite using a candidate upholstery covering fabric and a standard filling material. The results displayed by the candidate upholstery fabric may differ when used in an actual item of upholstered furniture, since other variables may affect the fire performance properties. Other variables may consist of different filling materials; fire blocking materials; furniture geometry; and other furniture components.

The above test results relate only to the ignitability of the combination of materials under the conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified above.

DocuSigned by:

Bobby Brown

B50EB94D593C454...

3/15/2022

AUTHORIZED SIGNATURE
 SGS NORTH AMERICA
 /dv /tc

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